

In the Claims

Amend the Claims as follows:

1. (Presently amended) A ~~flex interconnection circuit substrate~~ disk-drive interconnect, comprising:
 - a single flexible printed circuit (2000) having included finger extensions provided for each and every read-write head (200-206) in a single disk drive;
 - a single disk controller (1000) support connector (226) disposed on the flexible printed circuit (2000), and providing for distributed read-write communication to each and every said read-write head (200-206);
 - a single read-write preamplifier (222) disposed on the flexible printed circuit (2000), and providing for amplification of said read-write communication between each read-write head (200-206) and the support connector (226);
 - a connector bonding site providing for electrical connection of the support connector (226) to the pre-amplifier (222);
 - an electronic component collection bonding site providing for electrical connection of the pre-amplifier (222); and
 - at least one MR two groups of read-write head bonding sites providing for electrical connection of said read-write heads (200-206) to the pre-amplifier (222).
 - ~~said connector bonding site coupled to said electronic component collection bonding site;~~
 - ~~and said electronic component collection bonding site coupled to said at least one MR readwrite head bonding site;~~
 - ~~wherein said electronic component collection includes at least one preamplifier.~~

2. Canceled.

3. (Presently amended) A flex interconnection circuit, comprising:

~~said flex interconnection circuit substrate of Claim 1;~~

a single flexible printed circuit (2000) having a connector bonding site, and including finger extensions provided for each and every read-write head (200-206) in a single disk drive;

a connector (226) bonded to said connector bonding site;

~~said an~~ an electronic component collection bonded to ~~said an~~ an electronics component collection bonding site ~~comprising at least said~~ and including a preamplifier bonded to said ~~electronics component bonding site;~~

~~and at least one MR~~ a read-write head bonded to ~~said MR~~ each of a plurality of read-write head bonding sites;

wherein ~~said flex interconnection circuit couples said~~ the single flexible printed circuit (2000) provides all the electrical connections between the connector and ~~said the~~ preamplifier ; , and also the plurality of read-write heads and the pre-amplifier.

~~wherein said flex interconnection circuit couples said preamplifier and said MR read-write head.~~

4. Canceled.

5. (Presently amended) An actuator, comprising:

~~a head slider affixed with said MR read-write head of said flex interconnection circuit of Claim 3;~~

a single flexible printed circuit (2000) having a connector bonding site, and including finger extensions provided for each and every read-write head (200-206) in a single disk drive;

a connector (226) bonded to said connector bonding site and disposed on the single flexible printed circuit (2000);

an electronic component collection bonded to an electronics component collection bonding site and including a preamplifier (222) and disposed on the single flexible printed circuit (2000);

a read-write head (200-206) bonded to each of a plurality of read-write head bonding sites and all disposed on the single flexible printed circuit (2000);

said flex interconnection circuit anchored about said preamplifier to said actuator;
and

at least one binding of said flex interconnection circuit between said preamplifier and said ~~MR~~ read-write heads;

wherein the single flexible printed circuit (2000) provides all the electrical connections between the connector and the preamplifier, and also all the electrical connections between the plurality of read-write heads and the pre-amplifier.

6. (Presently amended) A disk drive, comprising:

~~said actuator of Claim 5 coupled by said connector to a disk drive controller~~
printed circuit board; and

an actuator, comprising:

a single flexible printed circuit (2000) having a connector bonding site, and including finger extensions provided for each and every read-write head (200-206) in a single disk drive;

a connector (226) bonded to said connector bonding site and disposed on the single flexible printed circuit (2000), and providing for all communication between the disk drive controller printed circuit board and each and every read-write head (200-206);

an electronic component collection bonded to an electronics component collection bonding site and including a preamplifier and disposed on the single flexible printed circuit (2000);

a read-write head (200-206) bonded to each of a plurality of read-write head bonding sites and all disposed on the single flexible printed circuit (2000);

said flex interconnection circuit anchored about said preamplifier to said actuator; and

at least one binding of said flex interconnection circuit between said preamplifier and said MR read-write head;

wherein the single flexible printed circuit (2000) provides all the electrical connections between the connector and the preamplifier, and also all the electrical connections between the plurality of read-write heads and the pre-amplifier.